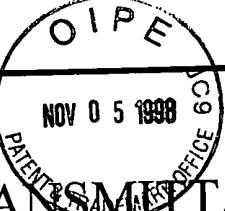


AF/GAU 1636\$

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**TRANSMITTAL
FORM**



Application Serial Number	08/915,004
Filing Date	February 20, 1996
First Named Inventor	Goto et al.
Group Art Unit	1636
Examiner Name	Schwartzman, R.
Attorney Docket No.	FJN-060 (3999/63)

MURRAY CUSTOMER
SERVICE CENTER**ENCLOSURES (check all that apply)**

<input checked="" type="checkbox"/> Fee Transmittal Form <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Check Attached <input type="checkbox"/> Copy of Fee Transmittal Form 	<input type="checkbox"/> Copy of Notice to File Missing Parts of Application (PTO-1553) <ul style="list-style-type: none"> <input type="checkbox"/> Formal Drawing(s) 	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <ul style="list-style-type: none"> <input type="checkbox"/> Appeal Communication to Group (<i>Appeal Notice, Brief, Reply Brief</i>)
<input type="checkbox"/> Amendment/Response <ul style="list-style-type: none"> <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) 	<input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition <ul style="list-style-type: none"> <input type="checkbox"/> To Convert to a Provisional Application 	<input type="checkbox"/> Status Letter <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Return Receipt Postcard
<input type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets _____]	<input type="checkbox"/> Power of Attorney (Revocation of Prior Powers)	<input type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8 <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Additional Enclosure(s) (<i>please identify below</i>)
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> Supplementary European Search Report
<input checked="" type="checkbox"/> Supplemental Information Disclosure Statement	<input type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application	
<input checked="" type="checkbox"/> Form PTO-1449	<input type="checkbox"/> Small Entity Statement	
<input checked="" type="checkbox"/> Copies of IDS Citations	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> After Allowance Communication to Group	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application		

CORRESPONDENCE ADDRESS

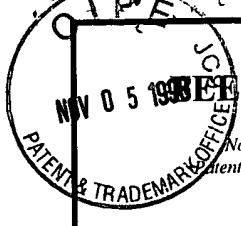
Direct all correspondence to: Patent Administrator
 Testa, Hurwitz & Thibeault, LLP
 High Street Tower
 125 High Street
 Boston, MA 02110
 Tel. No.: (617) 248-7000
 Fax No.: (617) 248-7100

SIGNATURE BLOCK

Respectfully submitted,

Date: November 5, 1998
 Reg. No. 39,061
 Tel. No.: (617) 248-7368
 Fax No.: (617) 248-7100

Christine C. Vito, Ph.D.
 Attorney for Applicants
 Testa, Hurwitz & Thibeault, LLP
 High Street Tower
 125 High Street
 Boston, MA 02110

**TRANSMITTAL**

Note: Effective October 1, 1997.
Fees are subject to annual revision

Complete if Known	
Application Serial Number	08/915,004
Filing Date	February 20, 1996
First Named Inventor	Goto et al.
Group Art Unit	1636
Examiner Name	Schwartzman, R.
Attorney Docket No.	FJN-060 (3999/63)

METHOD OF PAYMENT

1. Payment Enclosed:
 Check Money Order Other

2. The Commissioner is hereby authorized to credit or charge any fee indicated below to Deposit Account No. 20-0531.
 Required Fees (copy of this sheet enclosed).
 Additional fee required under 37 CFR 1.16 and 1.17.
 Overpayment Credit.

FEE CALCULATION**1. FILING FEE**

Large Entity	Fee (\$)	Fee Description	Fee Paid
790	Utility filing fee		
330	Design filing fee		
150	Provisional filing fee		

	Number Filed	Number Extra	Rate	Amount
Total Claims	- 20 =		x \$ 22.00 =	
Independent Claims	- 3 =		x \$ 82.00 =	
<input type="checkbox"/> Multiple Dependent Claim(s), if any			\$270.00 =	

TOTAL: 0

SMALL ENTITY DISCOUNT:

SUBTOTAL (1) (\$ 0

2. AMENDMENT CLAIM FEES	Claims	Highest No.	Present	Rate	Fee Paid
	Remaining	Previously	Extra		
	After Amend.	Paid For			
Total	-	=		x \$ 22.00 =	
Indep.	-	=		x \$ 82.00 =	
<input type="checkbox"/> First Presentation of Multiple Dep. Claim				+ \$270.00 =	
				TOTAL: (\$ 0	
				(\$)	
				(\$ 0	

SMALL ENTITY DISCOUNT:

SUBTOTAL (2) (\$ 0

SUBTOTAL (3) (\$ 130.00

SUBTOTAL (1) 0

SUBTOTAL (2) 0

SUBTOTAL (3) 130.00

TOTAL (\$ 130.00

CORRESPONDENCE ADDRESS

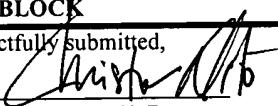
Direct all correspondence to:

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125 High Street
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Fax No.: (617) 248-7100

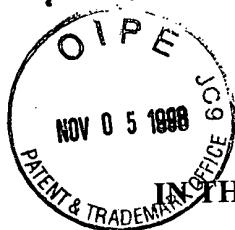
457RPM3999/63.678951-1

SIGNATURE BLOCK

Respectfully submitted,



Christine C. Vito, Ph.D.
Attorney for Applicants
Testa, Hurwitz & Thibeault, LLP
High Street Tower
125 High Street
Boston, MA 02110



PATENT
Attorney Docket No. FJN-060
(3999/63)

THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Goto et al.
 SERIAL NO.: 08/915,004 GROUP NO.: 1636
 FILING DATE: February 20, 1996 EXAMINER: Schwartzman, R.
 TITLE: NOVEL PROTEINS AND METHODS FOR PRODUCING THE
 PROTEINS

#13
JAG/JS
11-23-98

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
 Washington, D.C. 20231

Sir:

In accordance with the provisions of 37 C.F.R. §1.97, Applicants hereby make of record the references listed on the accompanying Form PTO-1449 for consideration by the Examiner in connection with the examination of the above-identified patent application. Copies of the Supplementary European Search Report for EP 96 90 2484 and references are enclosed.

REMARKS

In accordance with the provisions of 37 C.F.R. §1.97, this statement is being filed (CHECK ONE):

- (1) within three (3) months of the **Filing Date** or before the mailing date of the **First Office Action** on the merits; or
- (2) after the period defined in (1) but before the mailing date of a **Final Rejection** or **Notice of Allowance**, and
 - the requisite Statement is below, **OR**
 - the requisite fee under Rule 1.17(p), namely **\$240.00**, is included herein, or
- (3) after the mailing date of a **Final Rejection** or **Notice of Allowance** but before the payment of the **Issue Fee**, **AND**
 - Applicant hereby Petitions the Commissioner to accept and consider the attached Information Disclosure Statement, **AND**

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130.00 OP

the requisite Statement is below, AND

the requisite petition fee due under Rule 1.17(i)(I), namely \$130.00 is included herein.

It is respectfully requested that each of the references shown on the attached Form PTO-1449 be made of record in this application.

STATEMENT

As required under §1.97(e), Applicants, through the undersigned, hereby state either that [check the appropriate space]:

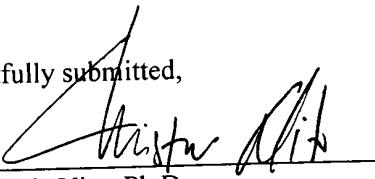
1. [E]ach item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application **not more than** three months prior to the filing date of the Information Disclosure Statement; or

2. [N]o item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to **any** individual designated in §1.56(c) **more than** three months prior to the filing of the Information Disclosure Statement.

FEE AUTHORIZATION

Should any fee associated with the submission of this paper not be attached hereto as a check, the Commissioner is authorized to charge the missing fee to our Deposit Account, No. 20-0531. Any overpayments should be credited to said Deposit Account.

Respectfully submitted,


Christine C. Vito, Ph.D.

Attorney for Applicants
Testa, Hurwitz, & Thibeault, LLP
High Street Tower
125 High Street
Boston, Massachusetts 02110

Date: November 5, 1998
Reg. No. 39,061

Tel. No.: (617) 248-7368
Fax No.: (617) 248-7100

450JSS3999/63.678662-1



Express Mail Label No. EM443446153US

SHEET 1 OF 1

FORM PTO - 1449

INFORMATION DISCLOSURE STATEMENT

ATTORNEY DOCKET NO.: FJN-060 (3999/63)

APPLICANT(S): Goto et al.

SERIAL NO.: 08/915,004

FILING DATE: February 20, 1996 GROUP: 1636

U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG Y/N
	BE	WO 96/28546	09/19/96	PCT			03/15/95		Y
	BF	WO 97/23614	07/03/97	PCT			12/20/96		Y

OTHER ART, JOURNAL ARTICLES, ETC.

EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)	
	CE	Simonet et al., "Osteoprotegerin: a novel secreted protein involved in the regulation of bone density," CELL, vol. 89, April 18, 1997, pgs. 309-319.
	CF	Reddi, "Bone morphogenesis and modeling: soluble signals sculpt osteosomes in the solid state," CELL, vol. 89, April 18, 1997, pgs. 159-161.
	CG	Tsuda et al., "Isolation of a novel cytokine from human fibroblasts that specifically inhibits osteoclastogenesis," Biochem. and Biophys. Research Commun., vol. 234, May 8, 1997, pgs. 137-142.
	CH	Chambers et al., "Generation of osteoclast-inductive and osteoclastogenic cell lines from the H-2btsA58 transgenic mouse," Proceed. of the National Acad. of Sciences of USA, vol. 90, June 1993, pgs. 5578-5582.
	CI	Smith et al., "The TNF receptor superfamily of cellular and viral proteins: activation, costimulation, and death," CELL, vol. 76, March 25, 1994, pgs. 959-962.
	CJ	Goodwin et al., "Molecular cloning and expression of the type 1 and type 2 receptors for tumor necrosis factor," Database EMROD, EMBL Databases, Accession Number: M59378, June 28, 1991.

EXAMINER

DATE CONSIDERED

457RPM3999/63.678673-1